

Amendments to the Claims

Please amend claims 1-3 and add new claims 4-13, all as shown below. All pending claims are reproduced below.

1. (Currently Amended) An air conditioner system, comprising:
an upstanding, vertically elongated housing having a vertical channel and at least one air vent allowing air to enter said vertical channel;
an opening, in a top surface of said housing, that provides access to said vertical channel;
an ion generating unit positioned in said housing, including:
an emitter electrode; and
a removable collector electrode configured to rest within said vertical channel;
and
a high voltage generator to provide a high voltage potential difference between said emitter and collector electrodes when said removable collector electrode rests within said vertical channel;
a handle secured to at least said collector electrode;
wherein when said collector electrode rests within said vertical channel, said handle extends through said opening to provide access to said handle while sufficiently covering said opening to prevent a user from reaching through said opening and touching said electrodes;
wherein said handle is to assist a user with vertically lifting said collector electrode out of said vertical channel, and thereby out of said housing
~~wherein said collector electrode is vertically returnable into said vertical channel such that gravity will assist with return of the collector electrode to rest within said vertical channel.~~
2. (Currently Amended) An air conditioner system, comprising:
an upstanding, vertically elongated housing having a vertical channel and at least one air vent allowing air to enter said vertical channel;
an opening, in a top surface of said housing, that provides access to said vertical channel;
an ion generating unit positioned in said housing, including:
an emitter electrode; and

a removable collector electrode configured to rest within said vertical channel; and

a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertical channel and returning said collector electrode to said vertical channel;

wherein when said collector electrode is at rest within said vertical channel, said handle extends through said opening to provide access to said handle while sufficiently covering said opening to prevent a user from reaching through said opening and touching said electrodes.

3. (Currently Amended) An air conditioner system, comprising:

an upstanding, vertically elongated housing having at least one air vent allowing air to enter said housing;

an opening, in a top surface of said housing;

an ion generating unit positioned in said housing, including:

an emitter electrode; and

a removable collector electrode normally at rest within said housing; and

a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertically elongated housing,

wherein when said collector electrode is at rest within said housing, said handle extends through said opening to provide access to said handle while sufficiently covering said opening to prevent a user from reaching through said opening and touching said electrodes; and

wherein said collector electrode is vertically returnable into said vertically elongated housing such that ~~gravity will assist with return of the~~ said collector electrode can be returned to rest within said housing.

4. (New) The system of claim 1, wherein said collector electrode is vertically returnable into said vertical channel such said collector electrode can be returned to rest within said vertical channel of said housing.

5. (New) The system of claim 2, further comprising:

a high voltage generator to provide a high voltage potential between said emitter and collector electrodes when said removable collector electrode rests within said vertical channel.

6. (New) The system of claim 3, further comprising:

a high voltage generator to provide a high voltage potential difference between said emitter and collector electrodes when said removable collector electrode rests within said housing.

7. (New) An air conditioner system, comprising:

an upstanding, vertically elongated housing having at least one air vent allowing air to enter said housing;

an opening, in a top surface of said housing;

an ion generating unit positioned in said housing, including:

an emitter electrode; and

a removable collector electrode; and

a high voltage generator to provide a high voltage potential difference between said emitter and collector electrodes when said removable collector electrode rests within said housing; and

a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertically elongated housing,

wherein when said collector electrode rests within said housing, said handle extends through said opening to provide access to said handle while sufficiently covering said opening to prevent a user from reaching through said opening and touching said electrodes.

8. (New) An air conditioner system, comprising:

an upstanding, vertically elongated housing having at least one air vent allowing air to enter said housing;

an opening, in an upper portion of said housing;

an ion generating unit positioned in said housing, including:

an emitter electrode; and

a removable collector electrode; and

a high voltage generator to provide a high voltage potential difference between said emitter and collector electrodes when said removable collector electrode rests within said housing; and

a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertically elongated housing,

wherein when said collector electrode rests within said housing, said handle extends through said opening to provide access to said handle while sufficiently covering said opening to prevent a user from reaching through said opening and touching said electrodes.

9. (New) A removable collection element for use with an air conditioner system that includes

an upstanding housing having a vertical channel and at least one air vent allowing air to enter said vertical channel,

an opening, in an upper portion of said housing, that provides access to said vertical channel,

an emitter electrode, and

a high voltage generator,

the removable collection element comprising:

a vertically elongated collector electrode configured to rest within the vertical channel of the housing; and

a handle secured to said collector electrode, to assist a user with lifting said collector electrode out of the vertical channel, and returning said collector electrode to the vertical channel;

wherein said handle is configured to extend through the opening in the upper portion of the housing, when said collector electrode is at rest within the vertical channel, while sufficiently covering the opening to prevent a user from reaching through the opening and touching said collector electrode.

10. (New) The removable collection element of claim 9, wherein when said collector electrode is at rest within the vertical channel, the high voltage generator provides a high voltage potential difference between said collector electrode and the emitter electrode.

11. (New) A removable collection element for use with an air conditioner system that includes

- an upstanding housing having at least one air vent allowing air to enter said housing,
- an opening, in an upper portion of said housing,
- an emitter electrode, and
- a high voltage generator,

the removable collection element comprising:

- a vertically elongated collector electrode configured to rest within the housing; and
- a handle secured to said collector electrode, to assist a user with lifting said collector electrode out of the housing, and returning said collector electrode to the housing;

wherein said handle is configured to extend through the opening in the upper portion of the housing, when said collector electrode is at rest within the housing, while sufficiently covering the opening to prevent a user from reaching through the opening and touching said collector electrode.

12. (New) The removable collection element of claim 11, wherein when said collector electrode is at rest within the housing, the high voltage generator provides a high voltage potential difference between said collector electrode and the emitter electrode.

13. (New) An air conditioner system, comprising:

- an elongated housing having at least one air vent allowing air to enter said housing;
- an opening in said housing;
- an ion generating unit positioned in said housing, including:

- an emitter electrode; and

- a removable collector electrode; and

- a high voltage generator to provide a high voltage potential difference between said emitter and collector electrodes when said removable collector electrode rests within said housing; and

- a handle secured to at least said collector electrode to assist a user with pulling said collector electrode out of said housing,

wherein when said collector electrode rests within said housing, said handle extends through said opening to provide access to said handle while sufficiently covering said opening to prevent a user from reaching through said opening and touching said electrodes.